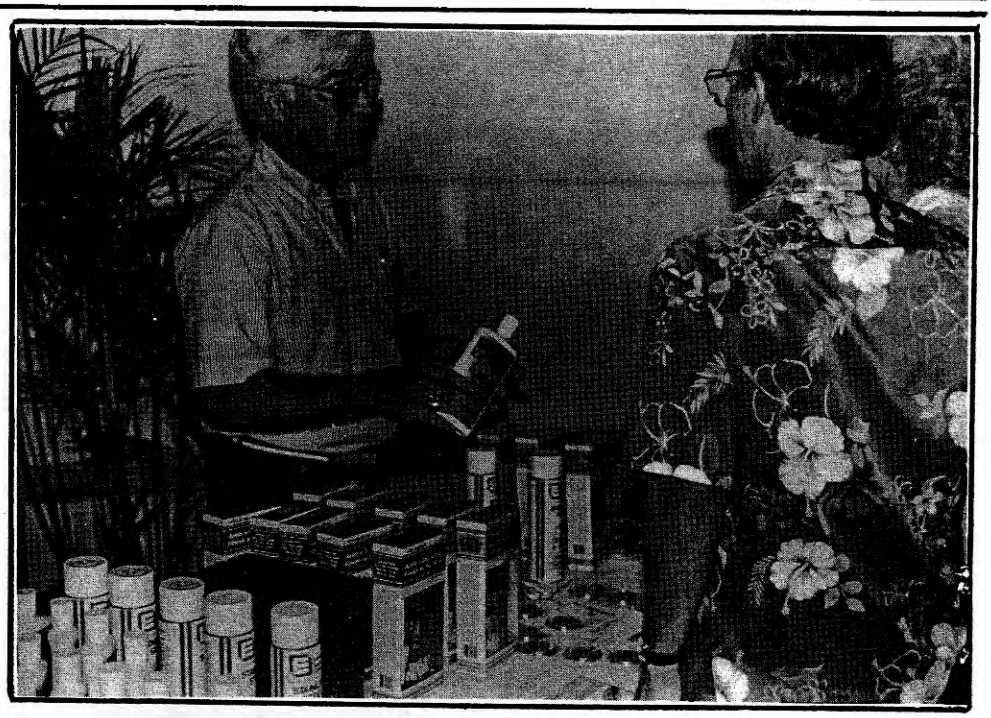
IF YOU ARE NOT A MEMBE...
THIS IS THE LAST ISSUE
YOU WILL RECEIVE!!!

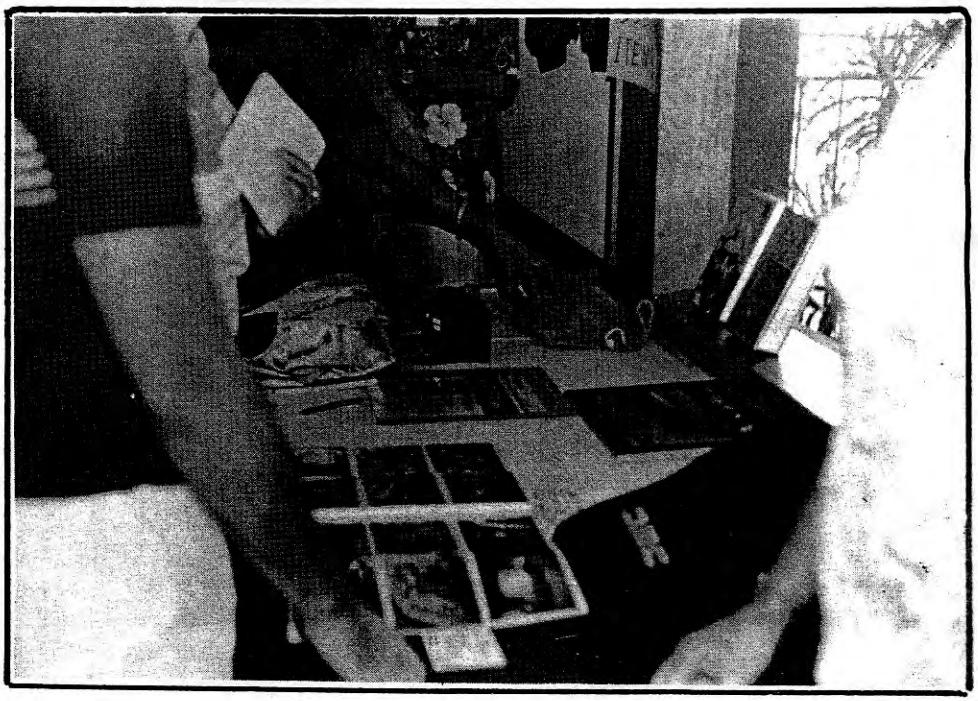
VOL. I BOOK II

WINTER 1983

DELOREAN WORLD

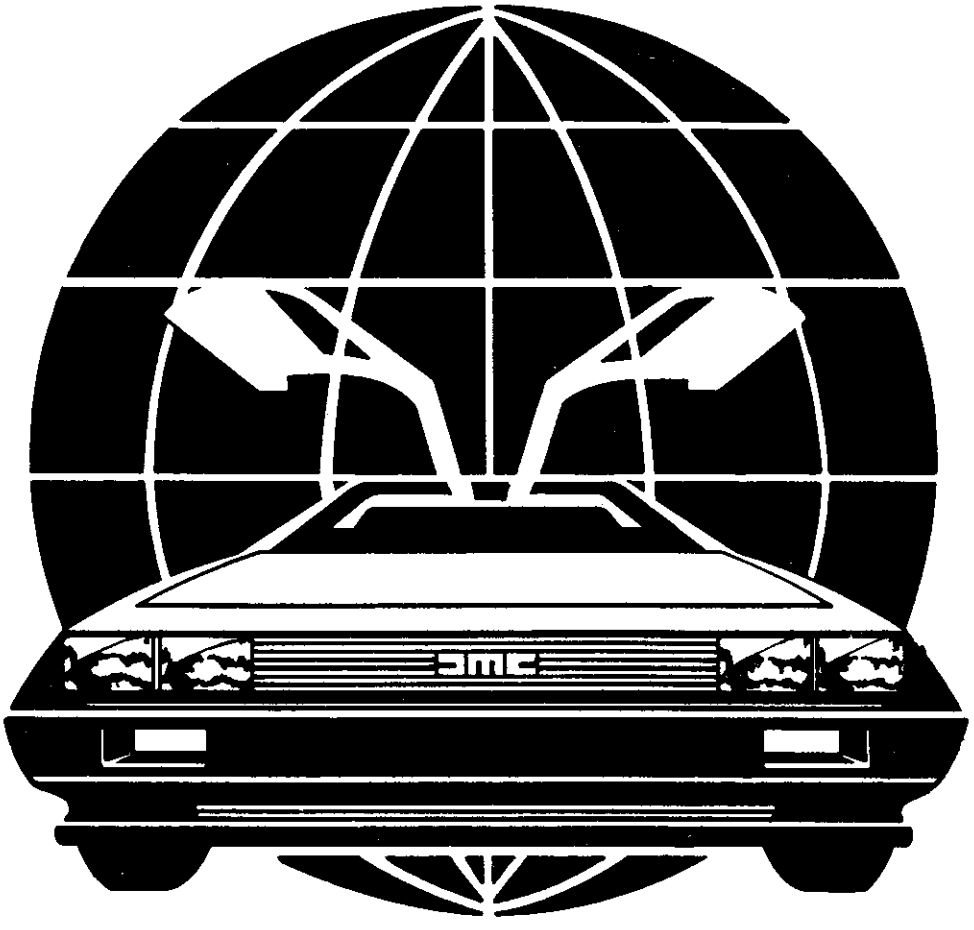
- PRODUCTS FAIR
- SAN DIEGO LUAU
- TECH II





Products Fair D.O.A.

DE LOREAN OWNERS ASSOCIATION



MEMBERSHIP FEE $35.00 A YEAR

N-O-T-I-C-E

To all non-members - - this will be the last issue of the DeLorean World that you will receive. The DeLorean Owners Association cannot afford to continue to mail this news magazine to you unless you are a paid member. If you wish to continue receiving this worthy periodical, send your check for the $35.00 membership fee now!

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Product Director
Pat Parr
Director

ON THE COVER

DOA Products Fair on Sunday, Sept. 18, 1983 at the Newporter Inn in Newport Beach, Ca.

Top Picture: Harry Holmberg explains to prospective purchasers some of the benefits of DOA discounted products.

Editor

Bob Giedeman

- - - - - - - -

Contributing Editors

Ed Bernstein
David Knudson
Nancy Zeigler
Dick Zeigler
Pat Parr
Harry Holmberg
Dick Shipman

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Disclaimer:

While it is a primary service of the Delorean Owners Association to disseminate technical information, any maintenance techniques or possible modifications published in the D.O.A. News-magazine should be weighed against conventional, traditional and generally accepted techniques and modifications, D.O.A. should not be considered the authority on maintaining or improving Deloreans and the views expressed are those of the author of an article or persons quoted. Although research has proceeded each article the mention of a product, service or procedure herein does not constitute endorsement of it by the Assoc, its officers or members. Prudent owners should consider possible techniques or modification in light of common sense compromises among economy, longevity performance, reliability, driveability, legality and resale value. Failure to consider any of the above could result in denial of warranty coverage. This publication and this organization will NOT ASSUME LIABILITY for any such consequences.

San Diego Luau

A super-fun weekend was held on Saturday, November 5th, where we traveled South to that beautiful City of San Diego. Saturday about noon, we grouped and motored down Highway I-5 and 405 in convoy to our first stop, the resort, the "Bahia" on Mission Bay. At 4 O'clock the party started with the D.O.A.'s happy hour in the Presidents Suite. We met a lot of new friends from the San Diego area.

At 6 PM, we started the trip to the beautiful home of Dr. and Mrs. Bill Squire. The home was situated on a hill overlooking Greater San Diego.

The Luau started almost immediately. The food was super, and the beer and wine hit the spot. After dinner the pool and the view became the focal point. About half of the group went swimming, as indicated in the many photos!

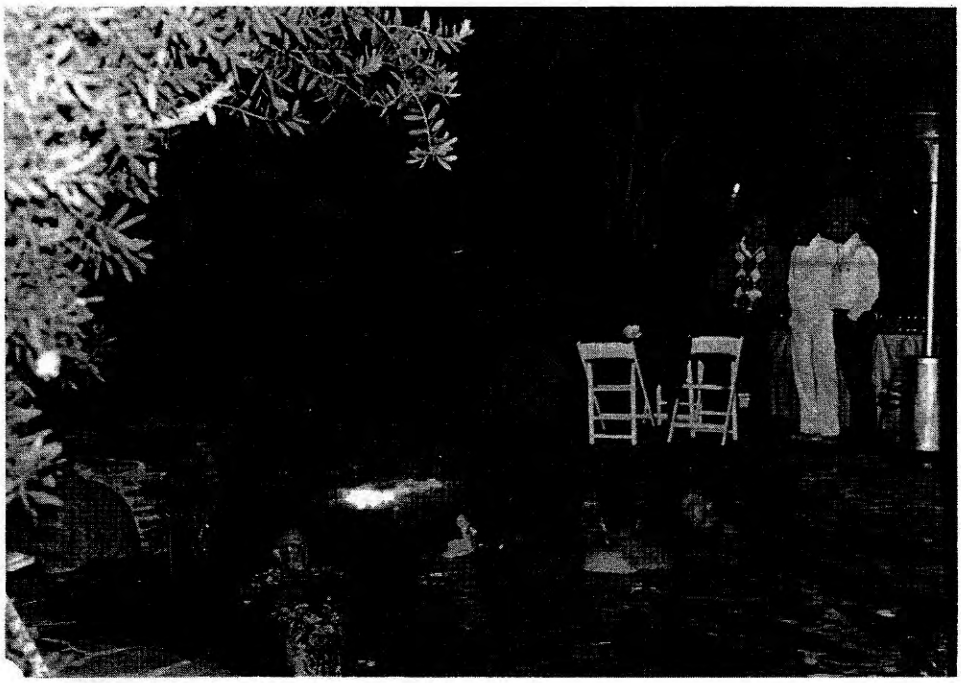
"THE HAPPY HOUR"

"The view and how to relax after a long day"

Our own "Mark Spitz" David Knudson

On Sunday we just kicked back and everyone did whatever they wanted! The weatherman also cooperated. Our DeLorean Vehicles put on a good show. Just about everyone in the hotel was stopping and asking questions, even "What is it?" We would like to thank the Squires for opening their "classic" home for the Clubs' "Luau".

We will try to keep San Diego as one of our "in" spots. Our rooms as shown here overlooked Mission Bay.



The D.O.A. Swim Team

ALOHA! SAN DIEGO

Bahia Bell
and
Mission Bay

MEMBERS'S RATE is 22¢ per word, count name and address as words. Zip code is free. Phone number (including area code) counts as one word. Minimum ten words per ad. Pay amount beside last word line.

PAYMENT IN FULL must accompany any advertising order, do not send cash.

IT'S ALWAYS A GOOD IDEA to keep a copy of your original classified ad, in case you want to repeat it or run it again with a change.

Classified Ad Form

_____ $2.20	_____ $2.20	_____ $2.20	_____ $2.20	_____ $2.20
_____ $2.20	_____ $2.20	_____ $2.20	_____ $2.20	_____ $2.20
_____ $2.42	_____ $2.64	_____ $2.86	_____ $3.08	_____ $3.30
_____ $3.52	_____ $3.74	_____ $3.96	_____ $4.18	_____ $4.40
_____ $4.62	_____ $4.84	_____ $5.06	_____ $5.28	_____ $5.50
_____ $5.72	_____ $5.94	_____ $6.16	_____ $6.38	_____ $6.60
_____ $6.82	_____ $7.04	_____ $7.26	_____ $7.48	_____ $7.70
_____ $7.92	_____ $8.14	_____ $8.36	_____ $8.58	_____ $8.80
_____ $9.02	_____ $9.24	_____ $9.46	_____ $9.68	_____ $9.90
_____ $10.12	_____ $10.34	_____ $10.56	_____ $10.78	_____ $11.00
_____ $11.22	_____ $11.44	_____ $11.66	_____ $11.88	_____ $12.10
_____ $12.32	_____ $12.54	_____ $12.76	_____ $12.98	_____ $13.20
_____ $13.42	_____ $13.64	_____ $13.86	_____ $14.08	_____ $14.30
_____ $14.52	_____ $14.74	_____ $14.96	_____ $15.18	_____ $15.40
_____ $15.62	_____ $15.84	_____ $16.06	_____ $16.28	_____ $16.50
_____ $16.72	_____ $16.94	_____ $17.16	_____ $17.38	_____ $17.60
_____ $17.82	_____ $18.04	_____ $18.26	_____ $18.48	_____ $18.70
_____ $18.92	_____ $19.14	_____ $19.36	_____ $19.58	_____ $19.80
_____ $20.02	_____ $20.24	_____ $20.46	_____ $20.68	_____ $20.90
_____ $21.12	_____ $21.34	_____ $21.56	_____ $21.78	_____ $22.00

Note: name & address will not appear in ad unless printed above also.

name _____ **payment for word count** _____

address _____

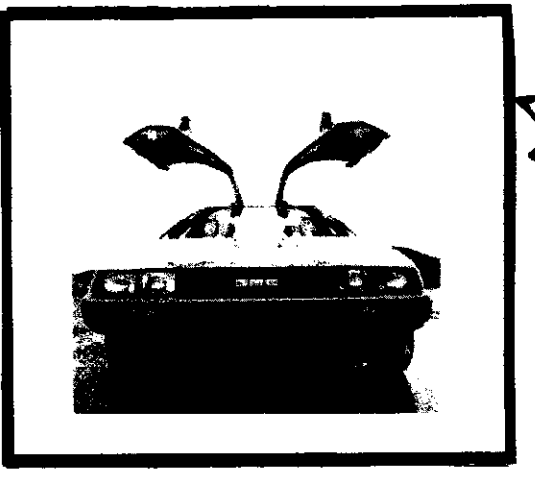
phone _____ **total enclosed** _____

Send this form with payment to: DeLorean Owners Association
9251 Vanalden Avenue
Northridge, California 91324

SUN ENTERPRISES, INC.

DE LOREAN SPECIALISTS

NOW PRESENTS



De Lorean Parts Unlimited

ATTENTION ! !

Any Part to You

in 7 - 10 Days . . . READ ON!

SUN ENTERPRISES, INC. NOW PRESENTS YOUR *TOTAL DE LOREAN NATIONAL SERVICE CENTER* AND *DELOREAN PARTS UNLIMITED* WITH 24 HOUR SERVICE/PARTS.

BESIDES AN ALL COUNTY/NATION TOTAL DE LOREAN SERVICE TEAM AND SERVICE CENTER IN SOUTHERN CALIFORNIA, WE *NOW* DISTRIBUTE THOSE DE LOREAN PARTS YOU'VE BEEN NEEDING, WANTING AND CRAVING — WITH 10% DISCOUNT TO ANY DE LOREAN CLUB MEMBER ON ALL PARTS.

DON'T STAY AWAKE NIGHTS ANYMORE WORRYING ABOUT YOUR NEXT BREAKDOWN OR PART FAILURE!! WE HAVE THE BEST TRAINED TOTAL TEAM WITH THE MOST EXPERIENCE IN THE NATION!! WE CAN COME TO YOU FOR REPAIRS 24 HOURS, NO MATTER WHAT AREA YOU LIVE IN. AND, FOR YOUR CONVENIENCE, PICK-UP OR DELIVERY AND DISCOUNT TOWING.

OUR TECHNICIANS PROCESSED OVER 3500 DE LOREAN MOTOR CARS AT THE WESTERN REGIONAL QUALITY ASSURANCE CENTER, OVER 300 DMC'S SINCE OUR OPENING IN NOVEMBER. WE ARE READY TO HANDLE *ALL YOUR* DE LOREAN NEEDS: MECHANICAL, ELECTRICAL, BODY, INTERNAL DOORS, PAINT, LOWERING. CRUISE CONTROL, PIPING, AND TURBO CHARGE ARE JUST SOME OF OUR SERVICES.

MAIN CENTER

6344 A & B Industry Way, Westminster, California 92683 (714) 891-8224

ESCONDIDO CENTER (Serving San Diego)

825 D. Andreasen, Escondido, California 92025 (619) 745-5577

Products Fair & Brunch

The first DOA Products Fair and Brunch was held on Sunday, September 18th., at the Newporter Inn, in the coastal city of Newport Beach. We can't really tell you how many actually attended as we had to turn so many away.

Everyone had a good time and enjoyed spending time looking at all the interesting and varied products.

The DOA Tee Shirts & our new Club Car Badges seem to be the hot items.

Technical Director Ed Bernstein and his truck load of books and jewelry doing a brisk business

Kicking back after a super brunch and awaiting the drawing of the many door prizes

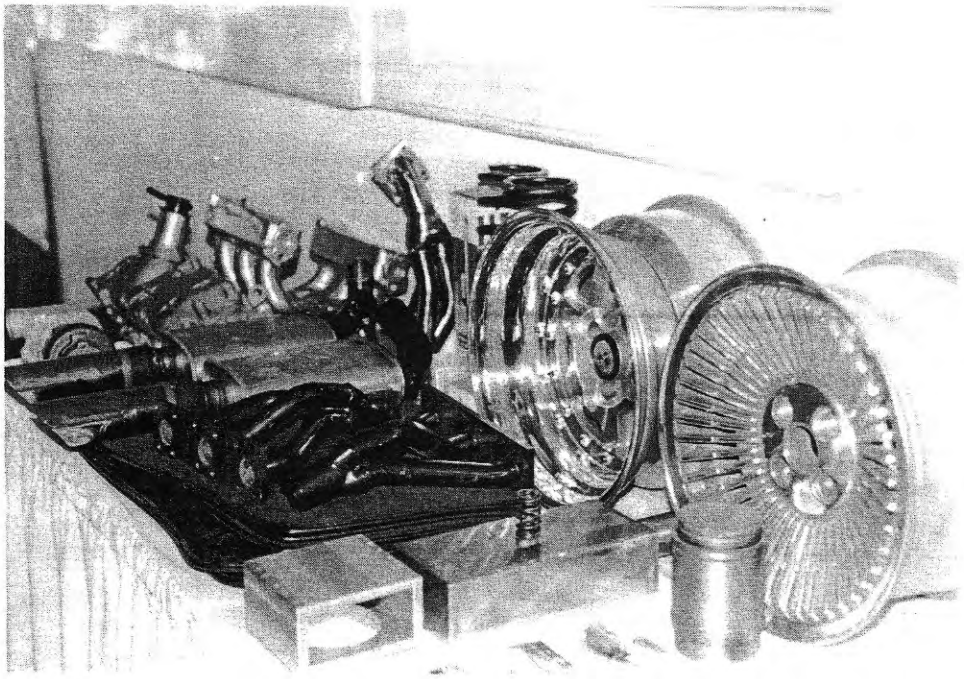
Our vendor friends tell us that business was good. Speaking of that, we would like to thank those vendors for their efforts:
Bernstein Jewelry & Books
Boeck Engineering
Citco Insurance Agency
Clifford Electronics
Kelly Telfer Design & Adv.
Silver Tox Engineering
Sun Enterprises

A security briefing on the safe keeping of the DeLorean was presented jointly by Ed Bernstein and the Clifford Alarm Co.

Dick Zeigler gave an enthusiastic talk on the many benefits of becoming a member of the DOA.

President Bob Giedeman gave a "Welcome and Thank you" message on behalf of the DOA.

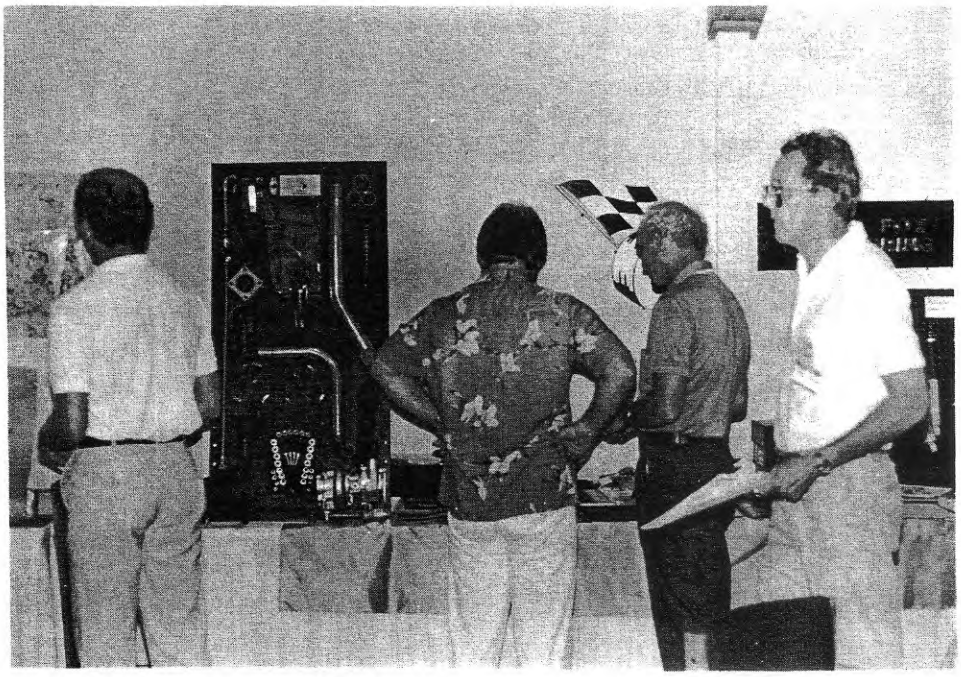
Dick Shipman presented the many door prizes, and Gladys and Charles Muffley from Bethlehem, Pennsylvania won the award for coming the farthest distance.



All that glitter that fits the DeLorean
by Mike Boeck Engineering

We would also like to thank the DOA Board Members for their great effort and the many hours spent in preparing the Fair.

Above all, thanks should go to the Knudson's. Good job, David and Mary Lou.



TURBOS ! TURBOS !, Silver Fox Engineering handsomely displays their turbochargers and other accessories

DELOREAN ACCESSORIES AVAILABLE TO MEMBERS ONLY

CAR CARE

Remember when you first bought your DeLorean? It looked great and to keep the gleam, you paid $40 for the Car Care Kit. Now it's all used up, and the car is looking a little dingy. Well, you can restore it to its original luster. DOA has made arrangements with the manufacturer of those products to make them available to DOA members.

The following products are available for the prices indicated:

Blending Pads (@2 for $3)
: You use these as the first step in cleaning it up. Use the pads in only the direction of the grain.

Cleaner/Sealer ($9)
: Apply it to a cool car; use even pressure in the direction of the grain. After applying to entire car, wipe off the dry haze.

Vinyl/Leather Protector ($6)
: Use this on all those black areas-bumpers, side molding, mirrors, and the interior.

Now that it looks super, keep it that way. Use the Wash'n Wax ($5) on a weekly basis. This will keep it sparkling.

Car Care Products

Blending Pads (2)	$ 3.00
Cleaner/Sealer	9.00
Cleaner/Polish	7.00
Vinyl/Leather Protector	6.00
Wash'n Wax	5.00

D.O.A.Products

Car Badge	10.00
D.O.A. T-shirts (XL) (L) (M) (S)	10.00
Wheel Locks (set of 4)	20.00
Proto Type Photos - 1/2 set of 12	9.00
Proto Type Photos - Full Set of 24	17.00
Plaque - Use your own 8" x 10" photo encased in plastic on wood	35.00

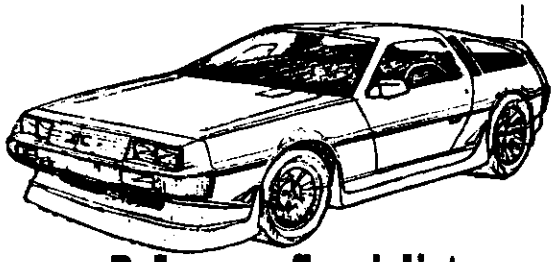
To order add $1.50 for postage and handling for each item ordered and mail your check to: DOA Products
Ca. Residents 11561 Heathcliff Drive
Add 6.5% Sales Tax Santa Ana, Ca. 92705

Please allow 3-5 weeks for delivery.

Many other DeLorean products available. Just ask.

CLASSIFIED AD

New Item!!
Stainless steel header tank.
(coolant overflow tank)
For information call:
Pat Parr (714) 538-9386
3406 Austin Avenue
Orange, Ca. 92669



DeLorean Specialists

2824 S. Willis St.
Santa Ana, California 92705

MIKE BOECK
714-540-0516

DELOREAN WORLD
ADVERTISING RATES

Full Page.....$100.00

Half Page.....$ 65.00

Quarter Page.....$ 45.00

Business Card.....$ 10.00

DeLorean Owners Association
9251 Vanalden Avenue
Northridge, California 91324

UPCOMING ARTICLES

Installation of electric antenna
Installation of fender-mounted antenna
List of cars by state
Improving your side and rear visibility

Excerpt from article By Robert H. Woodward, "The World Of Collecting," American Collector, August 1983 issue:

Costly Distinction

It is expected that the trial of John DeLorean on cocaine distribution charges tentatively scheduled for this month, will increase the demand for the stainless steel-skinned sports cars he manufactured in Northern Ireland, if any are left. The remaining few hundred of the cars in the United States have been selling from $19,000 to $21,000 well below the $32,000 or more the first DeLoreans fetched in 1981. As their availability decreases their cost may well rise. Apart from their investment value, they are indeed unique cars that satisfy the desire of those who want to drive something that announces the owner as a person distinct from the more common breed of Porsche and Mercedes owners.

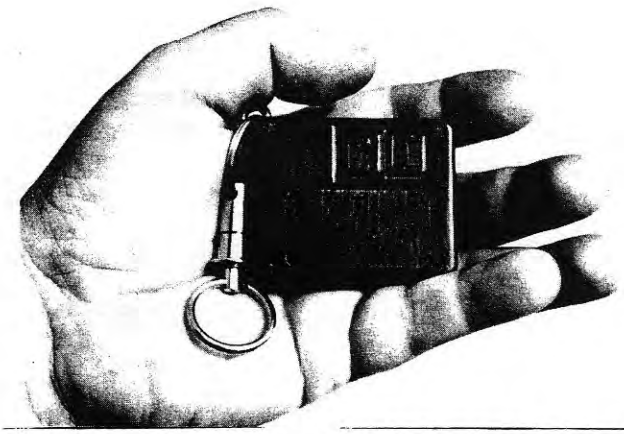
Courtesy of Larry Spring
Long Beach, California

Products Fair DMCNC

Friday Evening, September 23, 1983

The San Francisco Products Fair was held at the Grosvenor Airport Inn and was hosted by Gene Daly and the DeLorean Motorcar Club of Northern California.

Gene and his group have a very smooth running organization. 103 people were in attendance.



DUKE BY HOFCO.

If you own an expensive car or car stereo, you're taking chance every time you leave your car unprotected.

In less time than it takes to read this brochure, another will be stolen.

According to an F.B.I. compiled report, a car is stolen every 37 seconds. Car stereo systems are stolen at a more alarming rate.

To help protect your car we can offer a very versatile alarm system. The system was designed by an aerospace engineer, and incorporates the very latest technological advances. The system is constantly upgraded as new products become available.

Duke by Hofco has no external locks or key boards. They only tell the thief you have an alarm system, and they deface your car. Entry delays only gives the thief a head start.

With Duke by Hofco, any break-in attempt instantly sounds the alarm. Approximately one minute after it is triggered, the alarm is silent, reset and ready to sound again every time someone attempts to violate the system.

The system is remotely controlled by a small transmitter (2" x 1.6" x 0.5") (above figure). The transmitter has a key ring loop for carrying with your keys or can be detached to carry separately.

The transmitter is digitally coded to give many combinations for complete security. The receivers are each coded for the particular transmitter you have.

The system is quite easy to operate. The transmitter has two triggers. **1** is the trigger always used, **2** is for future use (two cars, one transmitter). You simply push trigger **1** of the transmitter, your car signals you audibly with two chirps via the electronic siren. The system now monitors doors and motion, such as jacking or towing of the car or any other opening you may want monitored. Upon recognizing an intrusion the electronic siren warbles and the car horn sounds off and on for approximately one minute, resets and is ready for another intrusion. To disarm the system you push **1** and your car signals you with a single chirp from the siren.

The unit in your car has a minimum amount of battery draw when the system is monitoring the condition of your car. The system can be used as a panic switch while driving the car. To arm, push **1** and the alarm will sound a second chirp because of the motion of t

The system has many options availab including: (1) a non-starting device whi be overridden for valet parking or servi a sound discriminator (breaking glass d (3) a voice synthesizer (loud speaker th "Burglar, Burglar"); (4) a car cover wit that plugs into a jack on the front or re car; (5) a remote page alerting system, a small receiver carried by the person; flashing lights.

With these options, this system is the advanced and complete system availabl feel anyone owning an expensive car o should be **alarmed.**

HOFCO
DIGITAL AUTO ALARMS

Gary Hofmann

5734 Bankfield Avenue • Culver City, CA • (213)

"When You Need A Part For Your DeLorean, Do You Know How To Identify It And Its Number • When You Or Your Mechanic Need To Repair Your DeLorean, Are You Sure Of The Procedure • Do You Know Which Parts Have Been Recalled Or Discontinued • Have All The Safety Campaigns Been Completed On Your DeLorean • How Much Was That Part Supposed To Cost • ?"

XEROX COPIES OF DELOREAN PUBLICATIONS AVAILABLE
ALL BOOKS ARE COMB BOUND WITH LEATHER GRAINED FINISH ON COVERS

1. PRELIMINARY PARTS CATALOG.....$34.50
   Features expanded illustrations and part numbers for the entire automobile.

2. TECHNICAL OWNERS GUIDE.....$34.50
   Shows disassembly, repair, and re-assembly procedures for almost all DeLorean components; includes testing procedures and diagnosis.

3. TECHNICAL INFORMATION MANUAL.....$28.50
   Prepared by DeLorean Motor Company to assist in understanding the design and general operation of the DeLorean.

4. PRELIMINARY SUGGESTED WARRANTY REPAIR TIMES.....$28.50
   Manual showing component codes and time for labor operations on the DeLorean.

5. SERVICE ORGANIZATION.....$28.50
   a. SERVICE ORGANIZATION -- (SO) — Contains general administrative items as they apply to service.
   b. SERVICE TECHNICAL -- (ST) — Contains items of technical nature.
   c. SERVICE WARRANTY -- (SW) — Contains warranty and service transaction matters - including safety campaigns and body leaks.
   d. PARTS BULLETINS -- (PB) — Contains parts and accessory updates.

6. DMC PARTS AND ACCESSORIES PRICING GUIDE.....$18.50
   Contains suggested retail and dealer net prices.

NEW 7. DELOREAN WORKSHOP MANUAL.....$47.50
   Over 450 pages...supplements and expands upon book #2 above. Instructions are easy to read and illustrations are extremely concise.

ADD $2.50 SHIPPING CHARGES FOR EACH BOOK ORDERED. CALIFORNIA RESIDENTS ADD 6.5% SALES TAX.

SET OF ALL 7 CATALOGS	$190.00
SHIPPING AND HANDLING	9.00
CALIFORNIA RESIDENTS ADD $12.35 SALES TAX	

ORDER FROM: ED BERNSTEIN
9251 VANALDEN AVENUE
NORTHRIDGE, CALIFORNIA 91324
(213) 993-7963

DMC

Profile

DICK AND JAN SHIPMAN

It all started with a Ford Dealer in Rochelle, Illinois. A small town not far from Chicago. Jan's father sold Fords, but he also sold Chevrolets, Phymouths, you name it. He was Rochelle's car man.

So, it wasn't surprising that his daughter grew up interested in cars. In fact, after moving to Los Angeles, it was at a Concours at the old Blarney Castle in Los Angeles she met her future husband, Dick Shipman.

She was driving a sporty new Corvette and he was showing his rare 100S racing Austin Healy. A car he'd set records on courses around the country.

They were married in 1958 which spelled an end to their sports car activities for awhile. Racing took a back seat to station wagons as their family expanded to two boys, Greg and Scott.

During this "Detroit Iron" period, both Jan and Dick became very active in developing Los Angeles City and County programs for the handicapped. Dick was so instrumental in some of the key plans that he was honored with a life membership in the PTA.

Then as the boys grew up, the exotic car bug bit them once again. This time, their pocket book was a little bigger so they went all the way and bought an Aston Martin.

The Aston Martin Owners Club was their first step into the car club atmosphere. Like everything they'd done, they put many hours and effort into the club, until they fell in love with an XKE. But all that glitters is not gold, so they sold it and bought a DeLorean.

Today, Jan is the busy secretary of the D.O.A., and Dick is putting together an insurance package for club members.

Both love to leave their lovely West Los Angeles home on trips whenever they can get away, which isn't often enough, Jan confides.

Asked what she remembers most about the past, and Jan gives you an answer only a car buff would understand, "I think the day we met Sterling Moss. We really got to know him."

WINNER of the set of Technical Manuals and Catalogs ($199.00 value) at our recent DeLorean Owners Association Products Faire at the Newporter Inn was New Member:

"BOB GLASSCO."
Pasadena, California

Congratulations Bob,
from all of us!!!

IF YOU NO LONGER OWN YOUR DELOREAN PLEASE LET US KNOW, SO WE CAN UP-DATE OUR LIST!!

Beyond John Z.

These are exciting, and often bewildering times for DeLorean owners as well as dealers.

Many have shouldered their losses and moved on to more mundane pursuits. But not Allen Gwynn. We're here to stay.

From the very beginning, I was impressed with John Delorean's obsession with technical excellence. . . from his relentless training courses to his unparalleled quality controls. In addition to becoming a DeLorean dealer, I quickly became a DeLorean enthusiast.

Today, I'm committed to maintaining this original level of excellence and I intend to maintain it in the years to come. As an example, we inventory an ongoing level of approximately $30,000 in DeLorean parts.

We know you're a perfectionist. But you're also cost conscious. So we've structured our DeLorean Service Center so that we can handle nearly every phase, engine through bodywork, in our own facility.

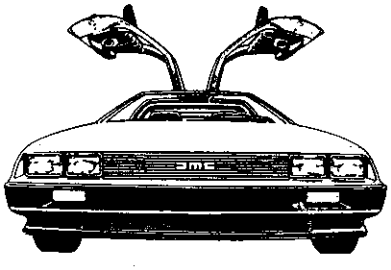
Speaking of costs, if you present your D.O.A. Membership Card, we'll even give you 10% off the cost of parts and shipping.

In short, we have the desire, the leverage, the volume, the capabilities and the people to give you the best work at the best possible price.

Speaking about people, have you met our DeLorean technician, Dave Kaleel? If you have, enough said. If you haven't, you really should. He's a DeLorean fanatic. Dave is factory trained and knows the car like the back of his hand. He does or supervises everything, even the washing. And, by the way, all DeLoreans are kept inside, locked up at night.

If you live in the greater Los Angeles area, it simply doesn't make sense to take your car anywhere else. If you don't and you're happy with your service, great. If you're not, we're well worth the drive.

Gwynn Bacon, President



ALLEN GWYNN The DeLorean Service Center for Metropolitan Los Angeles

1400 S. Brand Blvd. (Corner Los Feliz), Glendale, California **Call (213) 240-5720**

MEMBER

Tech. II

ANGLE DRIVE WATER SHIELD KIT - A NEW PRODUCT TO PROTECT YOUR ANGLE DRIVE FROM MOISTURE AND CORROSION.

SPEEDOMETER KIT INSTRUCTIONS P/N 113263

Fitting Procedure:

1. Jack up car and remove left-hand front road wheel.
2. Disconnect left-hand track rod end from steering arm.
3. Disconnect lower speedometer cable from speedometer drive unit.
4. Remove speedometer drive retaining nut complete with speedometer drive unit. Remove old nut by hacksawing.
5. Apply a few drops of Loctite 648 to the treads of the stub axle. Fit modified retaining nut (Part No. 113191) and tighten to 220 NM (165 Ft. Lbs)
6. Fit clip (Part No. SP10350) over the lower end of speedometer cable and push it along cable. (Fig 1).

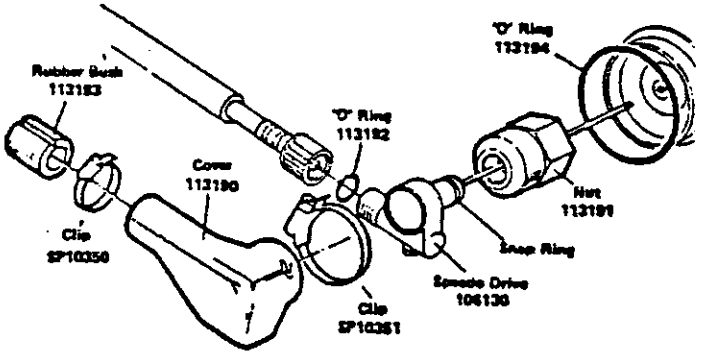


Fig. 1 Service Kit Assembly Part No. 113263

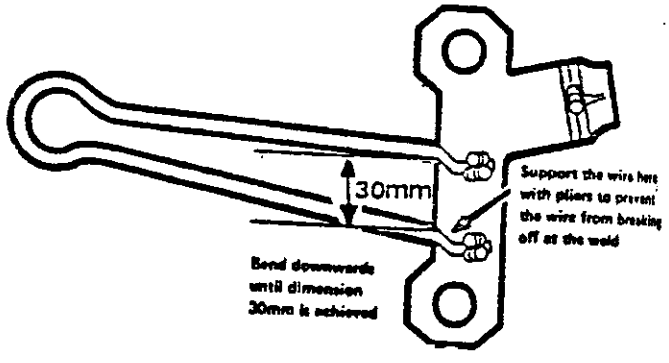

30mm
Support the wire here with pliers to prevent the wire from breaking off at the weld
Bend downwards until dimension 30mm is achieved

Fig. 2

7. Take the moulded cover (Part No. 113190) and insert the lower end of the speedometer cable through the small end. Push the cover along cable to expose the lower end of the cable. (Fig 1).
8. At this stage, it is necessary to modify the shape of the speedometer cable support bracket assembly by bending the lower leg of the support wire downwards, as shown in Fig 2.

   Note: This can be achieved only if the lower leg is supported (using a pair of pliers) at its foot to prevent the bending stress being applied to the area close to the weld.

9. Fit "O" Ring (Part No. 113192) into tube nut at lower end of speedometer cable (Fig 2).
10. Connect replacement speedometer drive assembly to speedometer cable.

11. Fit clip (Part No. SP 10351) over the retaining nut on the stub axle and position it on the flats of the nut (Fig 1)

12. Fit speedometer drive assembly onto the retaining nut, ensuring that the retaining snap ring has locked into position. (Fig 1)

13. Carefully manoeuvre the moulded cover into position, so that it covers the speedometer drive unit and the large open end is pushed fully into the machined portion of the retaining nut.

14. Move the clip off the flats of the nut and position it to retain and seal the cover to the machined portion of the nut.

15. Fit the rubber bush (Part No. 113193) on to the speedometer cable, between the moulded cover and the clip previously fitted (Fig i.)

16. Slide the rubber bush along the cable and enter it into the end of the moulded cover. Push the bush into the cover until its outer end is flush with the end of the cover. (Fig 3.)

17. Fit the clip in position to seal the cover/bush/cable assembly.

18. Ensure that the cable is properly located in the support bracket assembly.

19. Remove the nylon dust cover/speedometer drive from the left hand outer front hub. Fit "O" Rig (Part No. 113194) and replace (Fig 4).

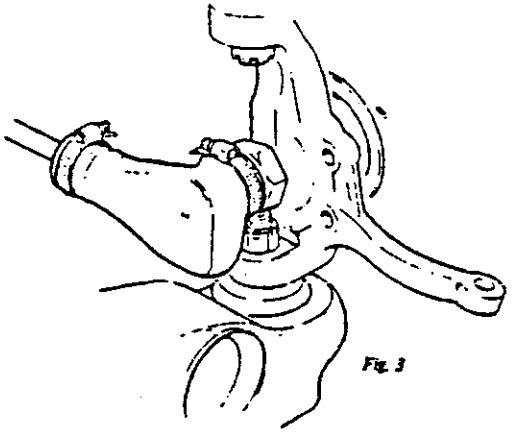


Fig. 3

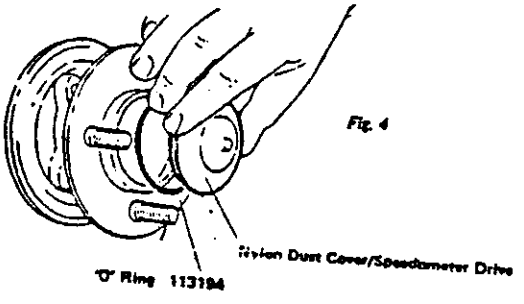


Fig. 4

20. Reconnect track rod end to the steering arm and tighten to 36 NM (26 Ft Lbs.).

21. Refit front L.H. road wheel and tighten to 80 NM (60 Ft. Lbs.)

22. Lower car and remove jack.

SPEEDOMETER KIT - Cont'd

Service Kit Assembly Part No. 113263 Includes the following

Part No.		
	113191	Nut
	SP 10350	Clip
	113190	Cover
	113192	O'ring
	SP 10351	Clip
	113193	Rubber Bush
	113194	O'ring

This angledrive water shield kit is available from Joe Black's Sun Enterprises Delorean Parts Warehouse at 6344 "A" Industry Way, Westminster Ca. 92683 (714) 891-8224 (ask for Arnie, Parts Manager)

Approximate cost is $32.50 plus tax/labor

SUBJECT: GEARSHIFT ACTION

In the event of stiff gearshift action, carry out the following checks:

1. Raise vehicle and release both gear linkage control rods from bell crank through access opening on underside of frame.

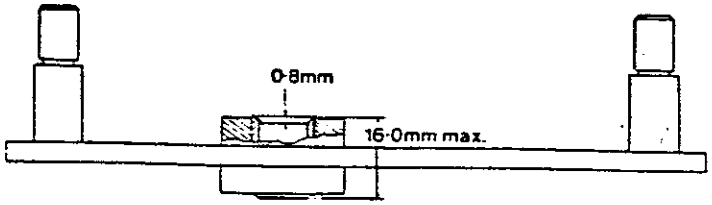
2. Check that the bell crank pivots freely. If not, release pivot bolt and remove bell crank.

3. Check that upper end of the bell crank pivot bush has a 0.8mm deep 45° chamfer to accommodate bolt head radius.

4. Check that the pivot bush's total length does not exceed 16.0mm.

5. If necessary modify the bush to obtain conditions as specified under 3 and 4.

6. Lubricate all pivot points with multi-purpose lithium based grease, and refit bell crank and pivot bolt with two 8mm washers (SP10032) between bell crank and frame brace. Torque pivot bolt to 22Nm (16 ft. lb.) and check that the bell crank pivots freely. Refit gearshift control rods.



SERVICE ACTION SA-0007
GLOVE COMPARTMENT LATCH - REINFORCEMENT STRIP

In instances where difficulties in closing the glove compartment cover are encountered, a reinforcement strip (Part #W-300005) may be installed according to the procedures on this page.

PROCEDURES

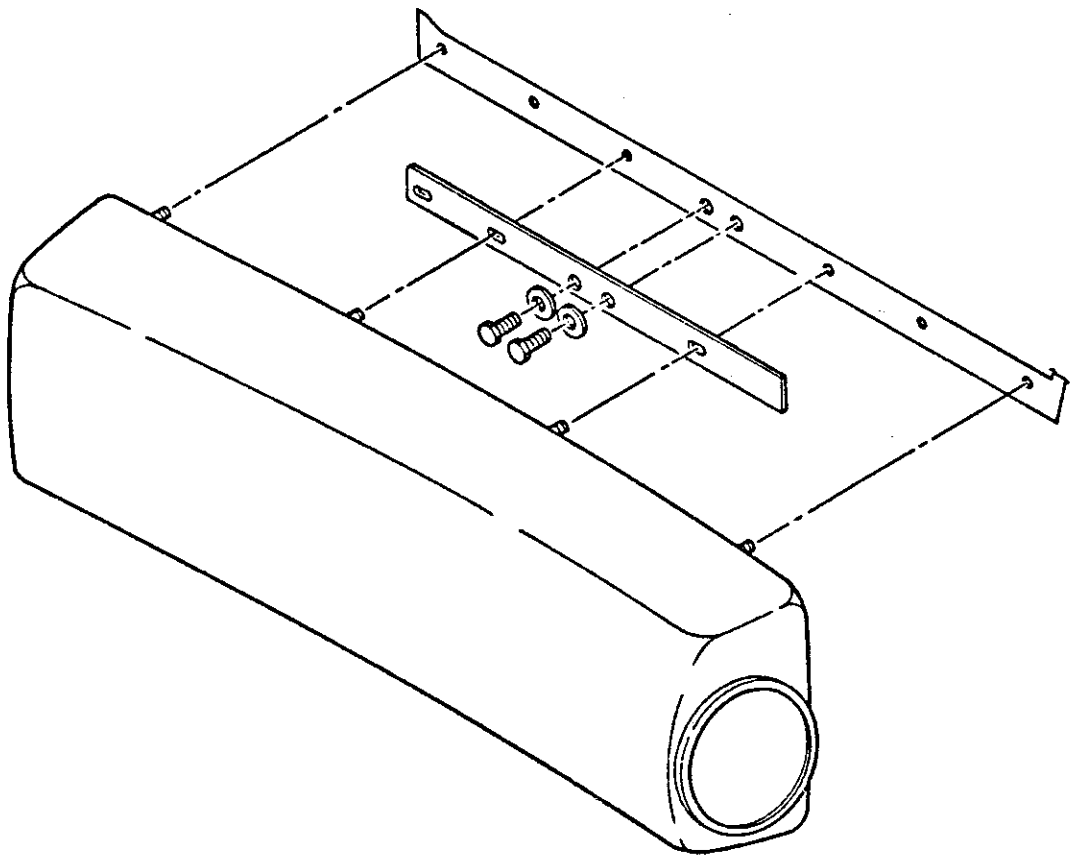
INSTALLATION:

1. Working under the glove compartment, remove the four upper and the two (2) lower passenger knee pad attaching nuts. Remove knee pad.

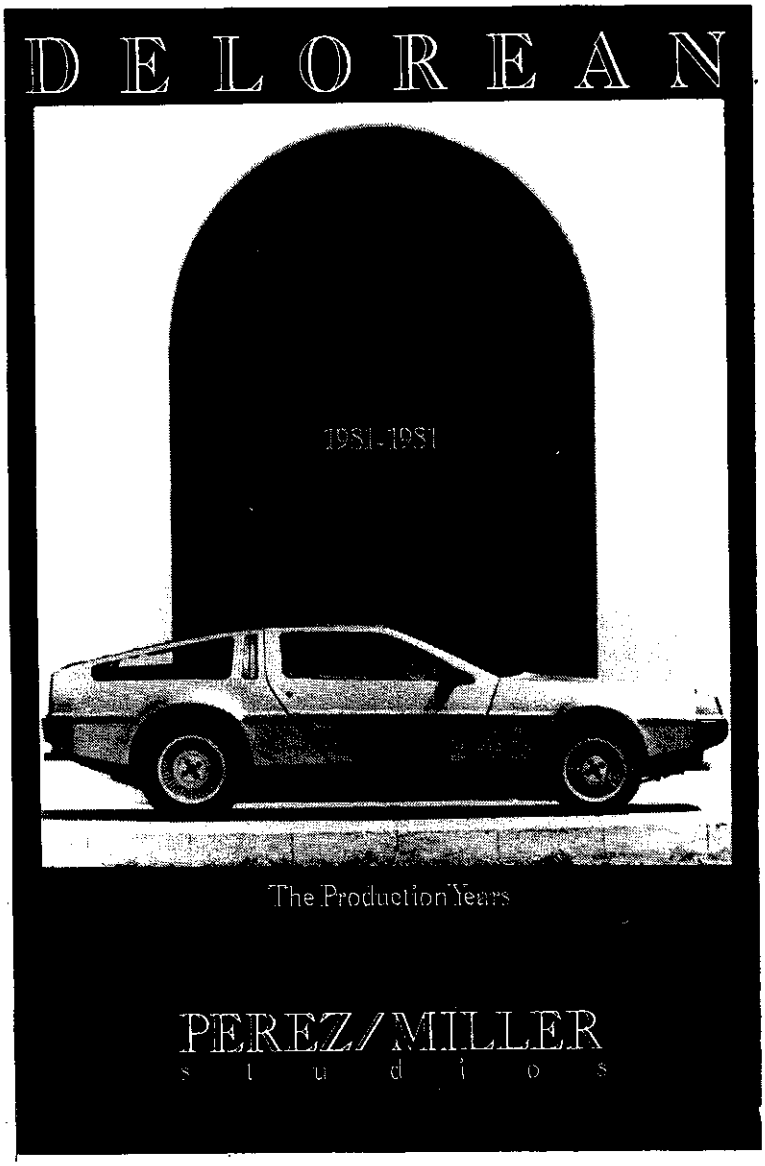
2. Remove the two (2) glove compartment latch attaching screws.

3. Position the reinforcement strip (Part #W-300005) as illustrated below and secure with the latch attaching screws. (NOTE: The outermost hole of this strip is not used.) Adjust the latch as necessary.

4. Position and secure the passenger knee pad assembly.



DELOREAN POSTER



Full Color Poster
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Credits:

Photography	**Chuck Perez**
Art Direction	**Mike Miller**
Copy	**J. Michael Pedersen**

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The photo of the sleek stainless machine was taken at the Dana Cafe in Dana Point, California. The tall, arched background becomes more than it appears with the addition of the epitaph "1981 - 1981". The subtle humor of the caption "The Production Years" completes the presentation.

The photo was taken in conjunction with a DMC-assigned project and was ultimately destined to be a part of DMC's first national sales presentation. This fact should make the offering especially appealing to DeLorean owners because it means that the photo is actually a part of the history of the company.

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Tech Q. & A's.

Please submit your questions and/or problem solution to: Pat Parr
V.P. Technical Director
DeLorean World
3406 Austin Avenue
Orange, California 92669

QUESTION: What is the major cause of Diode failure in my Alternator?

ANSWER: One problem of the DeLorean is that the alternator is mounted too close to the exhaust header. This causes the Diodes of the alternator to overheat and fail.

An inexpensive way to help alleviate this problem is to purchase a V-belt #7508 or a belt 2" longer than the original. This will let the alternator pivot up and away from the exhaust header. Then, if necessary, a heat shield can be installed between the alternator and the exhaust header.

Another way to solve this problem is to move the alternator to the upper right hand corner of the engine.

QUESTION: Why am I having trouble with shifting my manual transmission when my engine warms-up?

ANSWER: Manual transmission shifting problems may be caused by overheating of the hydraulic fluid.

The clutch hydraulic line going to the slave cylinder passes very close to the exhaust crossover pipe. This causes extreme high temperatures of the hydraulic fluid, which in turn may cause a malfunction of the clutch cylinder.

To eliminate this problem, one must move the hydraulic lines as far away from the crossover pipe as possible, cover and insulate the line and change the hydraulic fluid to silicone brake fluid or high temperature dot 5 brake fluid.

Courtesy of Pat Parr
For Additional Information
Call: (714) 538-9386

QUESTION: Ever wonder how many DeLoreans were manufactured?

ANSWER: Model Year - -1981 - 6539
1982 - 1126
1983 - 918
8583

Tech Q. & A's. (Cont.)

To supplement our response in the last issue of DeLorean World regarding fuel pump noise, the following are also contributing factors:

1. The hose clip #SP10356, holding the fuel pump in place within the support ring #101644 may have loosened, causing the fuel pump to drop down and pinch the pick-up line in the gas tank. Replacing the one hose clip #SP10356 with two American made hose clamps (one in the location of the original) and one located within the support ring and directly around and against the fuel pump sealing ring may alieviate the slipping problem.

* This procedure should be done by an experienced DeLorean mechanic to avoid damage to the baffle and with an extremely low fuel level or empty gas tank to minimize any chance of explosion from gasoline fumes.

QUESTION: Why does my car stall on curves or on steep up-hill grades?

ANSWER: Some early 1981 DeLoreans had fuel tank baffles which disintergrated or deteriorated after extensive exposure to gasoline. (Unfortunately a result of limited exposure to testing procedures, I suppose).

Editors Note: See Service Bulletin #ST-30-12/81 for replacement procedure. If the above is not your problem, you may just have a loose baffle and repair may just require the tightening of the M6 nut to secure the baffle and retainer springs to the fuel tank stud. The baffle may have actually come loose and be floating freely within the cavity, not permitting fuel to get to the fuel pick-up line and therefore causing temporary fuel starvation, causing the engine to falter or stall. Have a professional DeLorean mechanic re-secure or replace the baffle.

CAUTION Instruct the mechanic NOT TO TIGHTEN THE 10MM NUT TO TIGHTLY or they may pull the stud securing the baffle from the bottom of the fuel tank

Courtesy of Joe Black,
DeLorean National Service Center
For Additional Information
Call (714) 891-8224

Tech Q. & A's. (Cont.)

QUESTION: Why doesn't my tailight and/or stop light stay on?

ANSWER: The ground or hot lead to the bulb on the circuit board is not making proper contact. Detach the circuit board from the light housing, turn on the problem light (tail or stop), move the bulb and determine which lead is not making proper contact, (usually the ground); take a piece of wire and solder it at the eyelet to the main ground. Note: Test first for proper polarity or remove circuit board and expand ground contact with large nail or punch and hammer. Taking care not to hit the nail or punch too hard, thus cracking the circuit board.

QUESTION: Where does one place a DeLorean flat tire when traveling with luggage and a passenger?

ANSWER: It is advisable that all DeLorean owners carry a portable cannister of tire air and filler, available at any auto parts store. (Anyone can run over a nail even with a new set of tires).

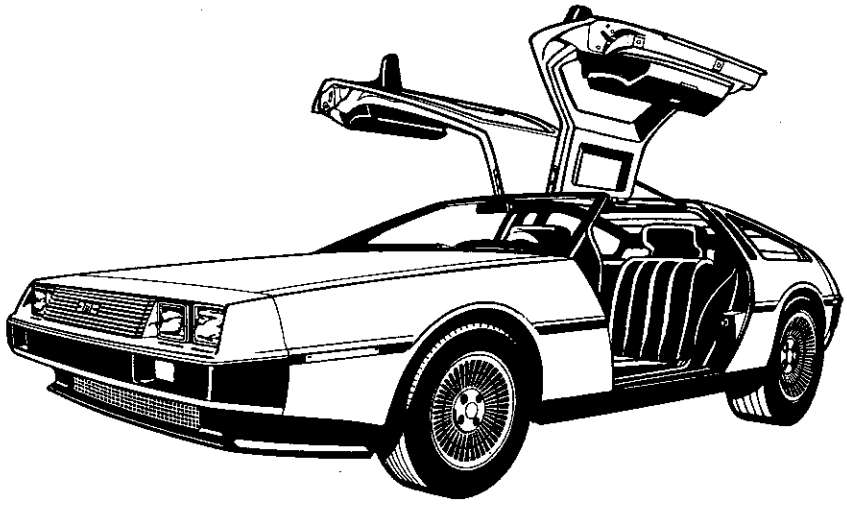
If you have room, place the front flat tire in the trunk. However, if it's the rear tire that is flat, carefully lay the flat tire on the engine compartment cover and insert a long "bunji" cord (that elasticized cord with hooks on both ends that we used to hold our school books to our bikes when we rode to school) through the louvres and attach it to the underside of the rear bumper or the tail pipe. CAUTION: Drive very slowly or you might cause damage to the engine cover, the louvres, the bumper or the rear of the car.

Courtesy of Dick Shipman
Los Angeles, California

EDITORS NOTE: For our members in the cold and snow country; it's also a great place to keep a large pizza warm on the way home from the pizza parlor. CAUTION: Drive very slowly and place a large piece of aluminum foil under the pizza box. It's very difficult to get mozzarella cheese and tomato sauce off your fuel injection system and the pepperoni, sausage, and bell peppers are hard to scrape off the engine block after it's cool. I guess anchovies are the least difficult to remove because of their oil base.

K A P A C C O. I N T R O D U C E S

THE De Lorean PARTS Depot AT KAPAC COMPANY



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UNIT	CAPACITY			GRADE
	U.S. GALLONS	U.K. PINTS	LITRES	
ENGINE AND FILTER	1.72 1.78	11.4 11.8	6.5 6.75	15 W 40 20 W 40 ABOVE – 10°C (14°F) 20 W 50
				15 W 40 *10 W 30 BELOW – 10°C (14°F) 5 W 20
*THE USE OF 10 W 30 MULTI-GRADE OIL IS NOT ADVISABLE UNLESS THE TEMPERATURE WARRANTS IT. HOWEVER, IF A 10 W 30 MULTI-GRADE OIL IS USED TO ASSIST STARTING IN COLD WEATHER, IT MAY REMAIN IN THE SUMP AS LONG AS THE TEMPERATURE DOES NOT RISE ABOVE + 10°C				
MANUAL GEARBOX (INCLUDES FINAL DRIVE)	0.97	6.5	3.7	TO MEET SPEC MIL – L 2105C OR API – GL5. *SAE 75W BELOW – 10°C (14°F) SAE 80W ABOVE – 10°C (14°F)
*WHERE SAE 75W OIL IS NOT AVAILABLE SAE 80W OIL MAY BE USED				
FINAL DRIVE AUTOMATIC	0.42	2.6	1.5	SAE 80W { MIL – L 2105C API GL5
AUTOMATIC TRANSMISSION (CONVERTER)	1.57	10.5	6.0	ATF TYPE DEXTRON 11. ELF RENAULT MATIC D2 OR MOBIL ATE 220
BRAKE CIRCUIT		1.3	0.764	DOT 4
COOLING SYSTEM	2.9	19.37	11.0	ETHYLEN GLYCOL BASED (CONTAINING NO BORAX). MINIMUM 50/50 MIXTURE WITH WATER. TO BE USED ALL YEAR ROUND AND REPLACED ANNUALLY.
CLUTCH CIRCUIT		.66	0.378	DOT 4
WINDSHIELD WASHER RESERVOIR		9	5.5	
AIR CONDITIONING REFRIGERANT OIL	2.50 POUNDS		1.40 GRAMMES	SUNISO 5GS OR TEXACO CARPELLA 'E' OR EQUIVALENT R-12 – FREON OR ARCTON
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January - Open

February 25 - Winter Convention, Bel Air Sands Hotel

March 30 & 31 - Las Vegas Weekend, Las Vegas Hilton

April 28 - Technical Seminar, Los Angeles Area

May 26 - Santa Barbara Rallye, Santa Barbara

June 30 - Yacht Club Concours

July 28 - Summer Barbecue, Long Beach

August 25 - Summer Convention, L.A. Airport Marriott Hotel

September 29 - Mountain Rallye, Lake Arrowhead Hilton

October 27 - Products Faire, The Newporter, Newport Beach

November 24 - San Diego Rallye, Bahia Hotel, San Diego

December 22 - Holiday Party

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All California sales must include 6% Sales Tax. Also all Turbo Kits sold in California are for off road use, as understood under California Emissions Control Act.

D.O.A. ACTIVITIES

Our events have been growing dramatically in attendance. The Products Fair and Brunch at the Newporter reached over 100. We couldn't get an exact turnout figure because at least twenty had to be turned away. They had hoped to pay at the door but every seat was taken with a previous reservation.

Let me dwell on that point a moment. The D.O.A. is rapidly surfacing as the DeLorean organization. We, as our coffers allow it, are expanding to other states and have the management ability to be nationwide in a few months. Consequently, more and more are wanting to attend our events. So, when we reserve facilities, we really have to guess to begin with. Then, when we put a deadline on our reservation, we commit that many dollars to that facility,that day. Sure, we can handle a couple over or under but that's it. So, when a lot of people show up at the door without reservations, we have to turn them away...a most miserable experience for them and for us. Please reserve before deadline. We want you to be part of us. Lecture over.....

We're currently planning more new events.

David Knudson, V.P.
Activities Director

TREASURY REPORT: 3rd QUARTER

Balance Forward	**$ 1054.08**
Receipts	**3654.29**
Disbursements	**3043.22**
Ending Balance 9/30/83	**$ 1665.15**

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Sat. Feb. 25th
Hotel Bel Air Sands
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Dick Zeigler	Pat Parr	Dick Shipman	Dave Knudson	Ed Bernstein
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